



Reach for the Sky

Supporting our children to aim high!

St Mary's CE School

Maths Support Resources

Parents often ask us, how can I help my child in maths? Firstly, we provide parents with the expectations for each year to enable them to appreciate the standard required by the end of a school year. The next step is to share with parents what this really looks like in practice. 'Reach for the Sky' is our initiative to support parents by providing them with information about how to do the calculations required in each class. Each year group is provided with information about what this looks like with visual reminders if you are not sure. These are available on our school website and handed out to all families at the beginning of the year.

We are always happy to discuss this with you; the resources hopefully provide a starting point to supporting your child.

Stage 1 PROMPT sheet

1 Count to 100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1/2 Count in twos

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

They are all **EVEN**

They all end in 0 or 2 or 4 or 6 or 8



2 Count in fives

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

They all end in 0 or 5



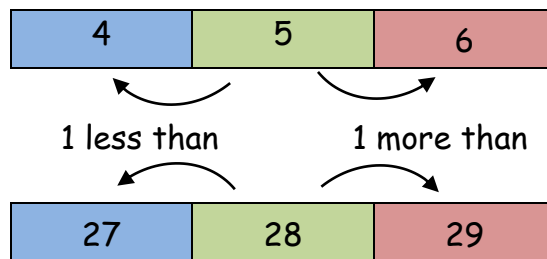
2 Count in 10s

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

They all end in 0



3 One more or less



4 Numbers as objects



Max has **MORE** than Ann

Max has the **MOST**

Ann has **LESS** than Max

Ann has the **LEAST**

5 Numbers in figures and words

1	one
2	two
3	three
4	four
5	five
6	six
7	seven
8	eight
9	nine
10	ten

11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen
20	twenty

6 Mathematical statements involving (+) (-) and (=)

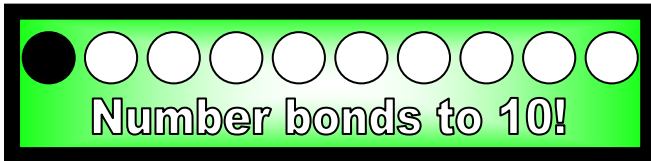
We read: 3 added to 4 makes 7

We write: $3 + 4 = 7$

We read: 7 subtract 3 makes 4

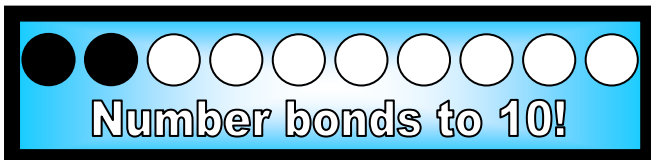
We write: $7 - 3 = 4$

7 Number bonds



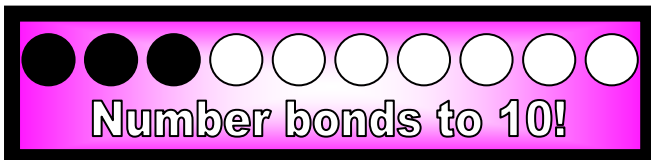
$$1 + 9 = 10 \quad \text{OR} \quad 9 + 1 = 10$$

$$10 - 1 = 9 \quad \text{OR} \quad 10 - 9 = 1$$



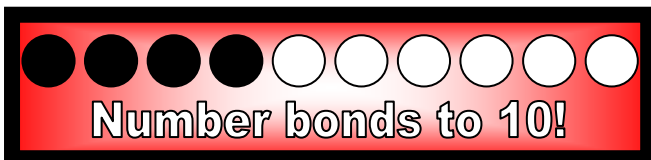
$$2 + 8 = 10 \quad \text{OR} \quad 8 + 2 = 10$$

$$10 - 2 = 8 \quad \text{OR} \quad 10 - 8 = 2$$



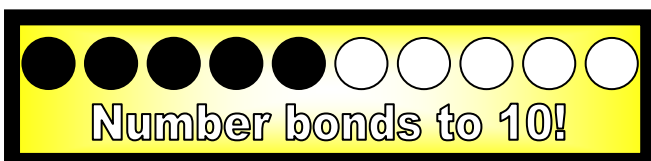
$$3 + 7 = 10 \quad \text{OR} \quad 7 + 3 = 10$$

$$10 - 3 = 7 \quad \text{OR} \quad 10 - 7 = 3$$



$$4 + 6 = 10 \quad \text{OR} \quad 6 + 4 = 10$$

$$10 - 4 = 6 \quad \text{OR} \quad 10 - 6 = 4$$



$$5 + 5 = 10$$

$$10 - 5 = 5$$

8 Addition and subtraction

Addition

Example: $8 + 6$

$= 8 + \boxed{2} + \boxed{4}$

$= 10 + 4$

$= 14$

I need +2 to make 10



Subtraction

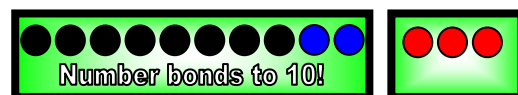
Example: $13 - 5$

$13 - \boxed{3} - \boxed{2}$

$= 10 - 2$

$= 8$

I need -3 to make 10



9 Addition & subtraction problems

3 balloons and 4 balloons make 7 balloons



We can write: $3 + 4 = 7$

7 balloons and 3 balloons burst leaves 4 balloons



We can write: $7 - 3 = 4$

NOTICE

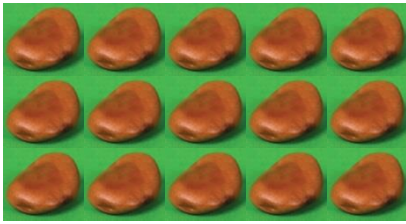
$$\boxed{7} - 3 = 4$$

↑

$$3 + 4$$

10 Multiplication and division

- A gardener sows some bean seeds



- How many seeds did he plant?

Answer: $3 \times 5 = 15$

or $5 \times 3 = 15$

- The gardener planted 15 seeds in 3 rows. How many seeds in each row?

Answer: $15 \div 3 = 5$

11 Recognise and name a half

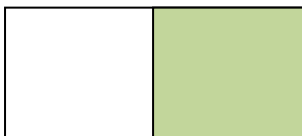
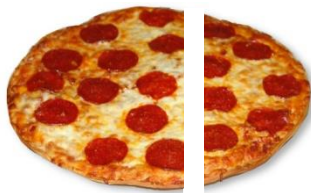
We write: $\frac{1}{2}$

Split into two equal parts

$\frac{1}{2}$ YES



$\frac{1}{2}$ NO!!!!



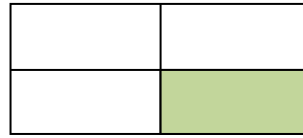
Half of a rectangle



Half of the balloons

12 Recognise and name a quarter

We write: $\frac{1}{4}$



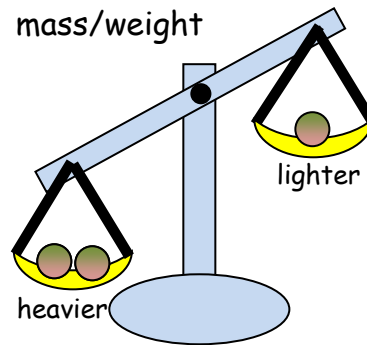
quarter of a rectangle



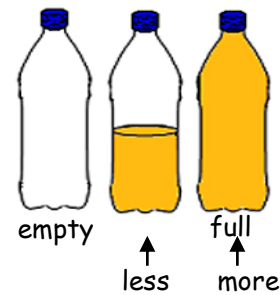
quarter of the balloons

13 Measures

- mass/weight



- capacity/volume



- time



slower



faster

- length



short



long

14 Measuring

- mass/weight

weight of an apple - grams



weight of a boy - kilograms

- capacity/volume

medicine spoon - millilitres



bucket of water - litres

- time

count to 20 - seconds



eat your dinner - minutes

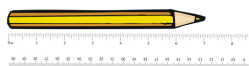


sleep - hours

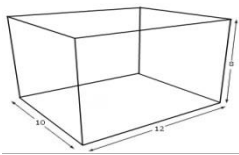


- Length

A pencil - centimetres



The school hall - metres



Road distance- kilometres



Download from [Dreamstime.com](https://www.dreamstime.com)

15 Value of coins

1p

2p

5p

10p



20p

50p

£1

£2

1/15 Value of notes



16 Sequence events

1. Watched some TV



2. Came home from



school

3. Brushed my



teeth

4. Went to bed



5. Had my



tea

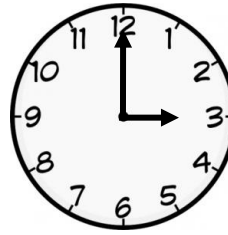
6. Did my homework



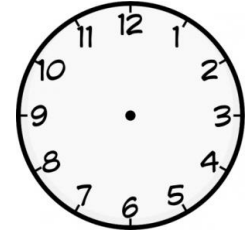
Today is Thursday 3rd April 2014

18 Tell the time

The long pointer is called the MINUTE hand.
The short pointer is called the HOUR hand.
When the long pointer is on 12, we say o'clock

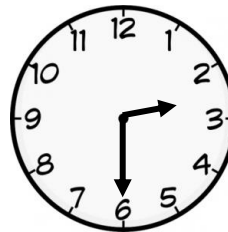


8 o'clock

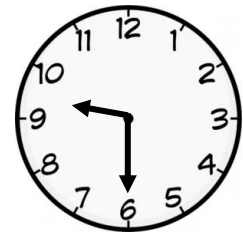


3 o'clock

When the long pointer is on 6, we say 'half past'



Half past 2



Half past 9

17 Dates



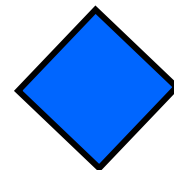
To write the date

19 Recognise 2D shapes

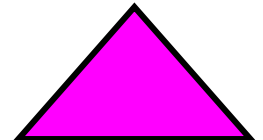
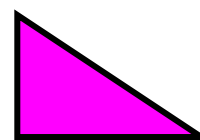
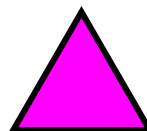
- Rectangle



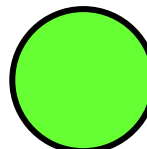
- Square



- Triangle



- Circle

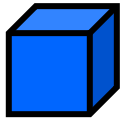


19 Recognise 3D shapes

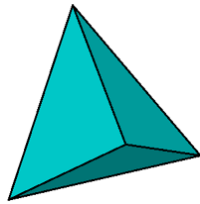
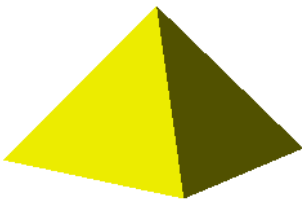
- Cuboid



- Cube



- Pyramid

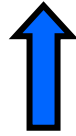


- Sphere



Answer: square

- Direction



Forward



Backward



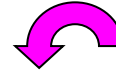
Turn right



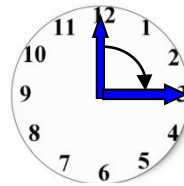
Turn left

- Movement

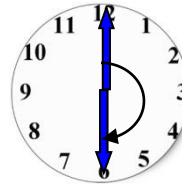
ANTICLOCKWISE



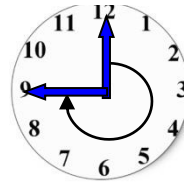
CLOCKWISE



Clockwise (1 right angle) or $\frac{1}{4}$ turn



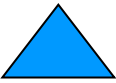


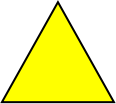
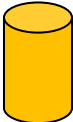


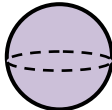
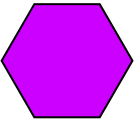
Clockwise (2 right angles) or $\frac{1}{2}$ turn



Clockwise (3 right angles) or $\frac{3}{4}$ turn

20 Position, direction and movement

- Position

What shape is **above** the cuboid?

Answer: circle

What shape is **below/under** the blue triangle?

Answer: yellow triangle

What shape is **right** of the green pentagon?

Answer: sphere

What shape is **left** of the circle?